

EDUCATION STANDARDS AND PRACTICES BOARD  
 CONTENT AREA MAJOR EQUIVALENCY ENDORSEMENTS  
 SFN 53936

Date:	Name:
Social Security Number:	License Number:

A major equivalency endorsement consists of 32 semester hours for a single content major verified through official transcripts from a state-approved college of teacher education. All major equivalencies must meet North Dakota Teacher Education Program Approval Standards. A major equivalency will not change the level of preparation of the applicant unless completed with a student teaching or clinical practice option.

CHEMISTRY EDUCATION		
	Content Completed: SH	Content Needed
Minimum of 32 semester hours		
Required:		
• organic chemistry with labs	_____ :	_____ :
• inorganic chemistry	_____ :	_____ :
• analytical chemistry	_____ :	_____ :
• physical chemistry	_____ :	_____ :
• biochemistry	_____ :	_____ :
• interaction of chemistry and technology	_____ :	_____ :
Physics, biology, and earth science (minimum of 16 semester hours with at least 4 semester hours in each discipline)	_____ : _____ :	_____ : _____ :
Methods of teaching science	_____ :	_____ :
Mathematics through calculus (minimum of one semester), and statistics	_____ : _____ : _____ : _____ : _____ : _____ : _____ :	_____ : _____ : _____ : _____ : _____ : _____ : _____ :
	Total SH : _____	Total SH : _____

History: November 17, 2003

Effective July 1, 2006